

Converting Colors

CIELCh(83, 29.043, 192.508)

Have a look what the booklet for
CIELCh(83, 29.043, 192.508)
contains.

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Color

CIELCh(83, 28.989, 192.137)

Conversions

Conversions Part 1

Format	Color
Hex	83DED9
RGB	131, 222, 217
RGB Percent	51%, 87%, 85%
CMY	0.4858, 0.1289, 0.1485
CMYK	0.41, 0.00, 0.02, 0.13
HSL	177°, 58%, 69%
HSV	177°, 41%, 87%
XYZ	48.0763, 62.1629, 75.1975
YIQ	194.2210, -52.6310, -20.8470

Conversions

Conversions Part 2

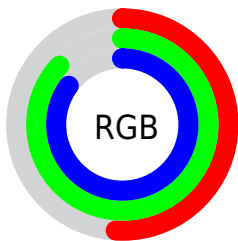
Format	Color
RYB	131, 178, 222
Decimal	8642265
CIELab	83.00, -28.34, -6.09
CIELCh	83, 28.989, 192.137
Yxy	62.1629, 0.2593, 0.3352
Android (android.graphics.Color)	4286832345 (0xFF83DED9)
YUV	194.2210, 11.2300, -55.4448
Hunter-Lab	78.8435, -29.1323, -1.3578

Details

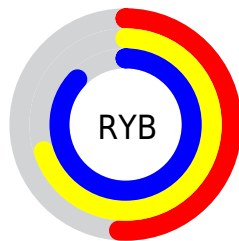
The CIELCh color **83, 28.989, 192.137** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 37.635, 19.406**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **63, 29.186, 191.386** is the 20% darker color. If you saturate the color by 10%, you get **82, 34.379, 191.493**, and if you desaturate by 10%, it is **84, 22.805, 192.787**.

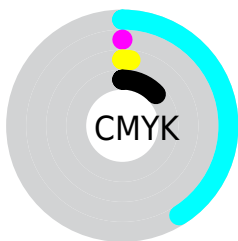
Distribution



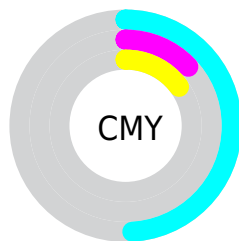
- Red (51%)
- Green (87%)
- Blue (85%)



- Red (51%)
- Yellow (70%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (49%)
- Magenta (13%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 28.989, 192.137 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 83, 28.989, 192.137 by changing the saturation by 10% instead.


 83, 28.989,
192.137


 83, 28.989,
192.137


 100, 28.989,
192.137


 73, 28.989,
192.137

 63, 28.989,
192.137

 53, 28.989,
192.137

 43, 28.989,
192.137

 33, 28.989,
192.137

 23, 28.989,
192.137

 13, 28.989,

192.137

■ 3, 28.989, 192.137

■ 0, 28.989, 192.137

■ 83, 28.989,
192.137

■ 83, 28.989,
192.137

■ 82, 34.379,
191.493

■ 84, 22.805,
192.787

■ 81, 38.868,
190.857

■ 85, 15.953,
193.457

■ 81, 42.388,
190.215

■ 87, 8.565, 194.160

■ 81, 44.921,
189.556

■ 88, 0.769, 195.538

■ 90, 7.318, 15.381

■ 80, 46.517,

188.865

91, 12.085, 14.554

80, 47.333,
188.212

91, 12.141, 11.599

91, 12.229, 8.678

91, 12.350, 5.808

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83, 28.989, 192.137



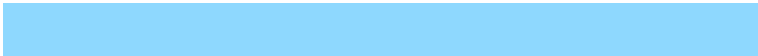
65, 37.635, 19.406

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 28.989, 192.137



83, 28.989, 242.137



83, 28.989, 12.137



83, 28.989, 62.137

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83, 28.989, 192.135



98, 10.453, 194.077



81, 56.877, 139.819



52, 6.912, 193.983



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 28.989, 192.135



93, 37.270, 191.595



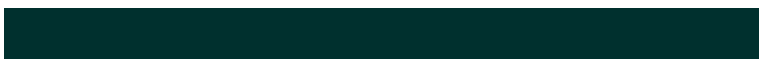
72, 26.065, 254.633



46, 4.486, 194.273



65, 39.737, 188.332



17, 16.185, 189.591

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65, 37.635, 19.406



69, 51.441, 21.053



74, 30.867, 63.371



44, 4.734, 15.485



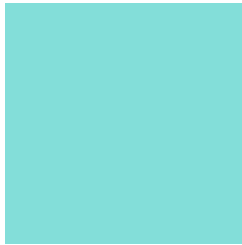
36, 76.804, 37.716



6, 25.418, 18.628

Previews

White Background



This preview shows how the CIE LCh color 83, 28.989, 192.137 looks on a white background.

Color Contrast Check

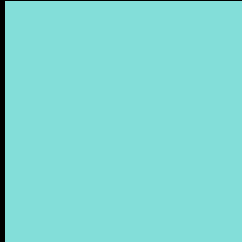
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 28.989, 192.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

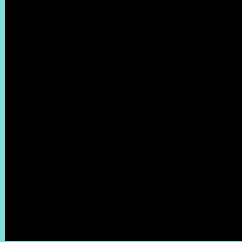
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

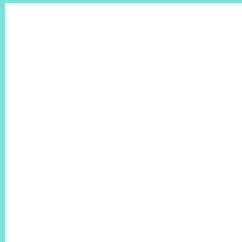
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 28.989, 192.137

Background



This preview shows how black text looks on a background with the CIELCh color 83, 28.989, 192.137.

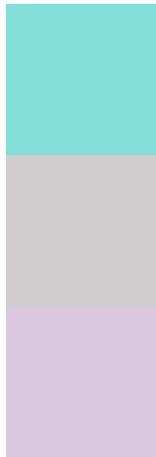


This preview shows how white text looks on a background with the CIELCh color 83, 28.989, 192.137.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
83, 28.989, 192.137

Protanopia
83, 1.815, 343.575

Deuteranopia
83, 13.365, 319.780



Tritanopia
83, 26.377, 219.186

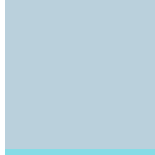
Trichromacy



Original Color
83, 28.989, 192.137



Protanomaly
82, 10.474, 198.699



Deuteranomaly
82, 9.765, 239.773

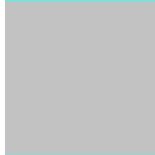


Tritanomaly
83, 26.588, 209.263

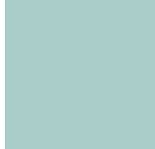
Monochromacy



Original Color
83, 28.989, 192.137



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 11.657, 193.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 28.989, 192.137 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 28.989, 192.137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 222, 217) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(131, 222, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(131, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 222, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 222, 217); box-shadow:4px 4px 4px 4px rgb(131, 222, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 28.989, 192.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131,  
222, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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